

Appl No.: 10/649,288

Atty. Dkt.
PC-802

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-9(Canceled).

Claim 10(Currently Amended). A method of mixing and applying a corrosion resistant barrier coating to an existing pressurized water supply piping system in a multi-story building, wherein the piping system delivers water throughout the multi-story building, comprising the steps of:

- isolating the pressurized water supply pipes in the existing multi-story piping system;
- generating air into the pressurized water supply pipes;
- introducing a nonliquid cleaning agent that includes an abrasive medium into the generated air;
- cleaning the pressurized water supply pipes with the nonliquid agent ;
- mixing an epoxy material to form a barrier coating;
- applying the barrier coating to interior walls of the pressurized water supply pipes without dismantling all of the piping system, wherein the barrier coating provides an interior barrier for protecting the interior walls of the pressurized water supply pipes; and
- restoring the pressurized water supply pipes of the existing piping system to service within approximately twenty four hours to approximately ninety six hours.

Claim 11(Previously Presented). The method of claim 10, wherein the step of applying includes the steps of:

- inserting the barrier coating into the pipes having diameters of approximately 3/8 of an inch to approximately 6 inches.

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Claim 12(Previously Presented). The method of claim 10, further comprising the step of:

providing a layer of the coating approximately 4 mils.

Claim 13(Currently Amended). The method of claim 10, wherein the pressurized water supply pipes include: hot water pipes.

Claim 14(Currently Amended). The method of claim 10, wherein the pressurized water supply pipes include: cold water pipes.

Claim 15(Canceled).

Claim 16(Currently Amended). The method of claim 10, wherein the pressurized water supply pipes include: fire sprinkler pipes.

Claims 17-42(Canceled).

Claim 43(Previously Presented). The method of claim 10, further comprising the step of:
providing a compressed air stream as the generated air.

Claim 44(Previously Presented). The method of claim 10, further comprising the step of:
providing sand as the abrasive medium.

Claim 45(Previously Presented). The method of claim 10, further comprising the steps of:

providing a compressed air stream as the generated air; and
providing sand as the abrasive medium.

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Claim 46(Previously Presented). The method of claim 10, further comprising the step of:
collecting the abrasive medium and debris from the pipes with a collector.

Claim 47(Previously Presented). The method of claim 46, wherein the collecting step
includes the step of: generating a vacuum in the pipes with the collector.

Claim 48(Currently Amended). A method of cleaning and applying a corrosion resistant
barrier coating to an existing building piping system, wherein the piping system delivers
water throughout a building, comprising the steps of:

isolating the pressurized water supply pipes in the existing building piping
system;
generating air into the pressurized water supply pipes;
introducing a nonliquid cleaning agent having an abrasive medium into the air;
cleaning the pressurized water supply pipes with the nonliquid agent ;
applying a barrier coating to interior walls of the pressurized water supply pipes
so that the barrier coating provides an interior barrier for protecting the interior walls of
the pressurized water supply pipes; and
restoring the pressurized water supply pipes of the existing building piping system
to service.

Claim 49(Previously Presented). The method of claim 48, wherein the applying step
includes the step of: providing an epoxy coating as the barrier coating.

Claim 50(Previously Presented). The method of claim 48, wherein the applying step
includes the step of:

applying a layer of approximately 4 mils in thickness.

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Claim 51(Previously Presented). The method of claim 48, wherein the pipes have diameters of approximately 3/8 of an inch to approximately 6 inches.

Claim 52(Currently Amended). The method of claim 48, wherein the restoring step includes the step of:

restoring the pressurized water supply pipes to service within approximately 24 to approximately 96 hours.

Claim 53(Previously Presented). The method of claim 48, further comprising the step of: providing compressed air as the generated air.

Claim 54(Previously Presented). The method of claim 48, further comprising the step of: providing sand as the abrasive medium.

Claim 55(Previously Presented). The method of claim 48, further comprising the steps of:

providing compressed air as the generated air; and
providing sand as the abrasive medium.

Claim 56(Currently Amended). The method of claim 48, further comprising the step of: collecting the abrasive medium and debris from the pressurized water supply pipes with a collector.

Claim 57(Currently Amended). The method of claim 56, wherein the collecting step includes the step of: generating a vacuum in the pressurized water supply pipes with the collector.

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Claim 58(Currently Amended). A method of cleaning and applying a corrosion resistant barrier coating to an existing building piping system, wherein the piping system delivers water throughout a building, comprising the steps of:

isolating the pressurized water supply pipes in the existing building piping system;

passing an air stream through the pressurized water supply pipes;

introducing an abrasive cleaning agent into the air stream;

cleaning interior walls of the pressurized water supply pipes with the abrasive cleaning agent;

collecting resulting debris from the cleaning of the pressurized water supply pipes;

applying a coating to interior walls of the pipes to provide an interior barrier for protecting the interior walls of the pressurized water supply pipes so that the pressurized water supply pipes of the existing building piping system can be restored to service.

Claim 59(Currently Amended). The method of claim 58, where the collecting step includes the step of: generating a vacuum in the pressurized water supply pipes with the collector.

Claim 60(Currently Amended). The method of claim 58, where the passing step includes the step of: generating a compressed air stream into the pressurized water supply pipes.

Claim 61(Previously Presented). The method of claim 58, where the introducing step includes the step of: introducing sand as the abrasive cleaning agent.